

GEARTECH	CHECKLIST	No. CK8800		SHEET 1 OF 3
		Rev. A		
Gearbox Test		BY RLE		DATE 7/05/98
		CKD JRM		DATE 7/05/98
TEST PLAN				
Question	Y	N	R	Comments
Is there a written test plan?				
Does test plan specify proper loads, speeds, & runtimes?				
Does test plan specify sound test per ANSI/AGMA 6025?				
Does test plan specify vibration test per ANSI/AGMA 6000?				
Does test plan specify records of bearing temperatures?				
Does test plan specify records of oil temperatures?				
Does test plan specify records of contact patterns?				
HOUSEKEEPING				
Question	Y	N	R	Comments
Are all gearbox and lube system ports closed?				
Are oil drum ports closed?				
Are oil drum tops clean?				
Take oil samples from drums?				
Is oil transfer pump flushed with clean oil?				
Is area around gearbox clean?				
Is gearbox free of debris, tools, rags, and unnecessary hardware?				
Are gearbox breathers installed?				
When opening ports are the following precautions followed:				
Open ports one at a time?				
Clean inspection cover & area around port before opening?				
Count inspection cover bolts before opening?				
Keep inspection cover bolts in separate containers?				
Technicians have nothing in shirt pockets?				
Flashlights & tools on lanyards?				
Ports closed immediately after inspection?				
All inspection cover bolts accounted for?				
LUBE SYSTEM CHECKOUT				
Question	Y	N	R	Comments
Lube system components per Bill of Material?				
Lube system plumbed per lubrication schematic?				

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Question	Y	N	R	Comments	
Lube system connections properly bolted?					
Lube system electrical connections properly made?					
Oil type correct?					
Oil level correct?					
Oil filter correct?					
Oil filter 3-way valve set so filters are operational?					
Magnetic trap 3-way valve set so trap is operational?					
Is magnetic trap clean?					
LUBE SYSTEM TEST					
Question	Y	N	R	Comments	
Jog pump motor. Rotation correct?					
Run lube system w/o rotating gearbox and check following:					
Pump motor quiet?					
Oil pump quiet?					
Leaks in piping, housing, or oil seals?					
System oil pressures per specification?					
Filter differential pressure per specification?					
Oil level correct?					
Open inspection ports (see housekeeping). Oil flow correct?					
GEARBOX SPIN TEST					
Question	Y	N	R	Comments	
Jog drive motors. Rotation correct?					
Run lube for 15 min before rotating gearbox?					
Shutdown and check magnetic trap. Magnetic trap clean?					
Start gearbox rotation and set speed to specification?					
Record lube pressures, filter differential pressure, and oil temperatures every 15 min.?					
Run (2 hours minimum) until oil temperatures stabilize?					
Leaks in piping, housing, or oil seals?					
Record sound per ANSI/AGMA 6025?					
Record vibration per ANSI/AGMA 6000?					
Internal accelerometers operational?					

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Question	Y	N	R	Comments	
Check oil pressure switch set points?					
Check oil temperature switch set points?					
Take oil sample from petcock?					
POST TEST INSPECTION					
Shutdown and check magnetic trap. Magnetic trap clean?					
Open inspection ports (see housekeeping). Internals clean and free of distress?					
Open inspection ports (see housekeeping). Contact patterns per procurement specification?					
Record contact patterns?					
Close all inspection ports and prepare for shipping?					
TEST REPORT					
Question	Y	N	R	Comments	
Does test report record the following:					
Inspectors name?					
Date?					
Gearbox serial number?					
Loads, speeds, & runtimes?					
Oil type?					
Sound per ANSI/AGMA 6025?					
Vibration per ANSI/AGMA 6000?					
Bearing temperatures?					
Oil temperatures?					
Contact patterns per procurement specification?					
Certification that test data conform to requirements of procurement specification?					